

Date: Tuesday, 03/02/2009 2:34:40 PM  
 User: Julie Dawson

## Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	WEARPLATE KIT
Job Number :	45466		
Estimate Number :	13774		
P.O. Number :		Part Number :	D206559031
This Issue :	03/02/2009	S.O. No. :	
Prsht Rev. :	NC	Drawing Number :	DSI 9430 REV.A
First Issue :	//	Project Number :	N/A
Previous Run :		Drawing Revision :	A
	Type : LARGE FAB ASSY	Material :	
Written By :		Due Date :	23/02/2009
Checked & Approved By :	JUL 09-02-03		
Comment :	Est Rev:A 09-02-03 new issue DD verified by:JLM		

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	DC	DOCUMENT CONTROL
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Handwritten: JLM 09/02/26



Comment: DOCUMENT CONTROL

Photocopy bluefile and type labels per PPP D206-559-031 and DSI9430 CHG 001

Handwritten: 09/02/26

2.0	D3860041	Wearplate
-----	----------	-----------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Wearplate

batch:

Handwritten: 45475 x 4, B 45474 x 4

3.0	AN415A	Bolt
-----	--------	------



Comment: Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Bolt

batch:

Handwritten: M169148

4.0	AN417A	Bolt
-----	--------	------



Comment: Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Bolt

batch:

Handwritten: M169148

5.0	NAS1149D0463J	Washer
-----	---------------	--------



Comment: Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Washer

batch:

Handwritten: M110523

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: WEARPLATE KIT

Job Number: 45466

Part Number: D206559031

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

MS21042L4

Nut



Comment: Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Nut

batch: M109202

7.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

8.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D206-559-031 and DSI9430

Location: craft free

PPP Rev: 9h/26

9.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF  
09-02-27

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D206-559 REV. H OR EARLIER  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-559 REV. 1 OR EARLIER

REF. TCCA STC: SH92-17  
REF. FAA STC: SH1031NE  
REF. LBA STC: 0796/3034  
REF. JCAB STC: STC-90-TYO

The D206-559-031 Wearplate kit can be installed on D206-559-011/-021 Bearpaw installations. The D3860-041 Wearplates should be installed on the D2435 or D2671 Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions D206-559 Rev H or earlier.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 on Sheet 2 of this service instruction.

## WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D206-559-031 Wearplate Kit Configuration 1 -011/-021 A/B Low	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	135 in 3.43 m	232.2 in-lb 2.68 m-kg
D206-559-031 Wearplate Kit Configuration 1 -011/-021 A/B High/Float	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	134 in 3.40 m	230.5 in-lb 2.65 m-kg
D206-559-031 Wearplate Kit Configuration 2 -011/-021 A/B Low	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	126 in 3.20 m	216.7 in-lb 2.50 m-kg
D206-559-031 Wearplate Kit Configuration 2 -011/-021 A/B High/Float	1.72 lb 0.78 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	125 in 3.18 m	215.0 in-lb 2.48 m-kg

## PARTS LIST

QTY. -031	PART NUMBER	DESCRIPTION
X	D206-559-031	Wearplate Kit
2	D3860-041	Wearplate
8	AN4-15A	Bolt
8	AN4-17A	Bolt
8	NAS1149D0463J	Washer
8	MS21042L4	Nut or (MS21042-4)

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 15460

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: [Signature]  
D. SHEPHERD (DE # 02)

DATE: 09.01.15  
CERT. NO.: SH92-17  
ISSUE NO.: 7

A	NEW ISSUE	09.01.15
REV.	DESCRIPTION	BY DATE
DESIGN	<u>[Signature]</u>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>DSI 9430</b> REV. A SHEET 1 OF 2 TITLE <b>WEARPLATE KIT</b> SCALE NTS
DRAWN	<u>[Signature]</u>	
CHECKED	<u>[Signature]</u>	
MFG. APPR.	N/A	
APPROVED	<u>[Signature]</u>	
DE APPR.	<u>[Signature]</u>	
DATE	<b>09.01.15</b>	

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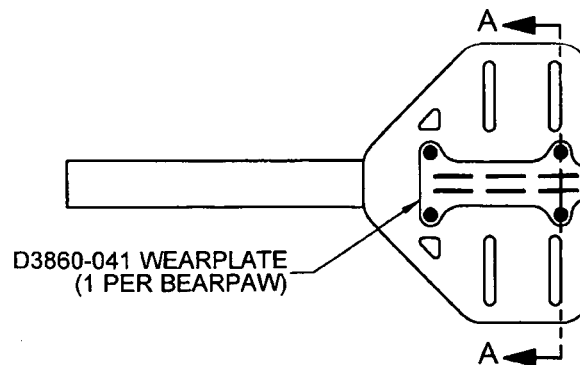
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

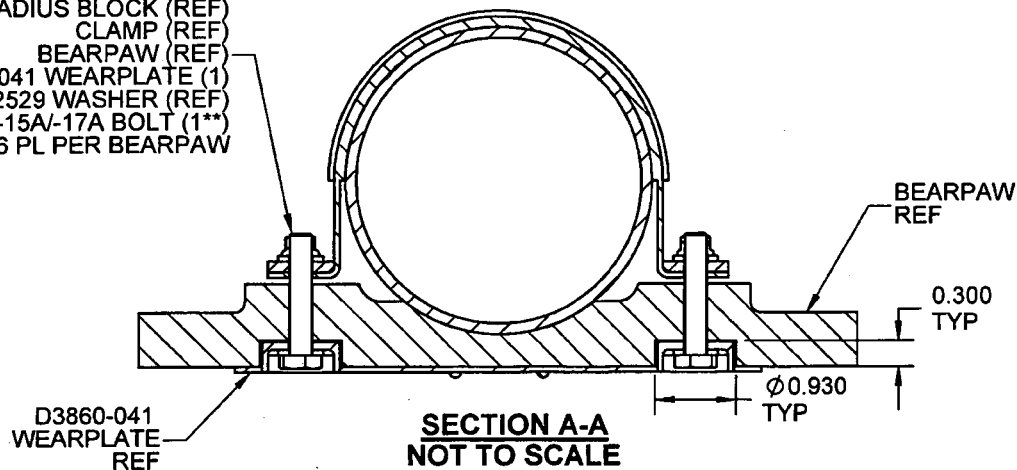
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**NOTE:** Date & initial all entries



**BOTTOM VIEW**

- MS21042L4 NUT(1)
- NAS1149D0463J WASHER (1\*)
- D2274 RADIUS BLOCK (REF)
- CLAMP (REF)
- BEARPAW (REF)
- D3860-041 WEARPLATE (1)
- D2529 WASHER (REF)
- AN4-15A/-17A BOLT (1\*\*)
- 6 PL PER BEARPAW



\* ADDITIONAL NAS1149D0463J WASHERS MAY BE INSTALLED UNDER NUTS TO ENSURE 1.5 - 4 THREADS IN SAFETY ON BOLTS. ALTHOUGH NOT GENERALLY NECESSARY, IT IS ALSO ACCEPTABLE TO REPLACE THE AN4-15A/-17A BOLTS WITH LONGER OR SHORTER AN4 BOLTS, IF REQUIRED.

\*\* USE AN4-15A BOLTS WITH (1) NAS1149D0463J WASHER IF INSTALLING BEARPAW ON Ø3.0 OR SMALLER SKIDTUBE. USE AN4-17A BOLTS WITH (2) NAS1149D0463J WASHERS IF INSTALLING BEARPAW ON TUBE LARGER THAN Ø3.0 (DART TUBE).

RETURN TO  
ENGINEERING

**FIGURE 1: D206-559-031 WEARPLATE KIT**

UNCONTROLLED COPY  
SUBJECT TO AMFNDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 45466

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 09.01.15  
CERT. NO.: SH92-17  
ISSUE NO.: 7

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO. DSI 9430	REV. A
MFG. APPR.	N/A		SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE WEARPLATE KIT	SCALE NTS
DE APPR.	<i>[Signature]</i>		
DATE	09.01.15	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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